



Avionic Design

# PlutuX™

ultra low power embedded streaming client

AD-1408-101

## abstract

PlutuX™ is an ultra low power embedded streaming client solution. It is the first carrier board for Avionic Design's NVIDIA® Tegra™ 2 Tamonten™ processor module (AD-1373-101).

Targeting power sensitive embedded multimedia front-end applications, it has been designed and optimized to meet economic and power efficiency requirements while not sacrificing reliability. Due to the modular concept it is an ideal basis for customized designs.

Running GNU/Linux it is the perfect platform for professional systems. Avionic Design provides a complete GNU/Linux distribution which is naturally available in sources. Furthermore we will support selected FOSS projects to allow self contained, independent systems.

### PlutuX is here!

## features

- Wide-range DC-power 12V-58V
- PoE PD as per IEEE 802.3af
- compact housing (130mm x 120mm x 30mm)
- power redundancy (PoE with DC-power backup)
- acoustic room surveillance option available
- IR (RC5/RC6/..) receiver and transmitter option available
- analog audio out and microphone in
- external USB 2.0 connectors
- SD-card slot
- FullHD, HDMI output
- Fast Ethernet
- analog video-out option available

Available in a ruggedized metal or low cost plastic housing

## options

- a version with an automotive HDMI (Type E) jack (featuring a lock)
- a version with a optical (Toslink) audio output
- WirelessLAN, Bluetooth® and ZigBee® modules (re-fittable)
- RF-ID card reader
- a WirelessHD® option is planned for Q1/12

## availability

- demo systems: **available now!**
- mass production: now!